

American Zinc Products
Pond progress meeting
Dec 8th 2021



Agenda

1. Site evaluation.
2. Site remediation.
3. Review action tracker.
4. Update on AOC.
5. General and closure.

1. Site Evaluation Status

- Dye injection study results. See separate results.
- Proposed well locations for drilling. See separate maps.

2. Site remediation

West ponds:

- Liquid recovery systems being pumped on a regular basis. See log attached to weekly report.
- Zn-B-gone trial. NCDEQ letter to EPA being reviewed, before continuing with trial.
- Preparing west storm pond for sampling.

East ponds:

- Both ponds currently back in service.

3. Action tracker

Item #	Action	Responsible	Date added	Target completion date	Comments
1	Email to presentation to call participants.	Phil		24-Sep-21	Complete (9/24)
2	Schedule weekly update calls and include DWR on the next one.	AZP (Charlie)		23-Sep-21	Complete (9/24)
3	Gather all data from ravine 4 and send to EPA (Ken).	Phil		24-Sep-21	Complete (9/24)
4	Collect surface water / sediment samples at confluence w/ Broad River.	Phil		TBA	Complete (9/28)
5	Attempt sampling of sediment in west storm water pond.	Phil		1-Oct-21	Complete (9/28)
6	Sample liquid in west storm water pond.	EnSafe		1-Oct-21	Complete (9/24)
7	Provide Sampling Analysis Plan to EPA.	Phil		24-Sep-21	Complete (9/24)
8	Provide first draft proposal for soil remediation/removal.	Ensafe		1-Oct-21	See item 12
9	Install free liquid recovery system and remove accessible saturated soils in raffinate and maintenance ponds.	AZP (Kobus)		13-Oct-21	Complete
10	Review possible use of bentonite to prevent contamination migration to springs Ravine #4.	EnSafe	-	TBA	Not considered feasible due to concerns over impact on ravine and efficacy.
11	Continue installing monitoring wells for further delineation	EnSafe		TBA	Drilling contractor confirmed for November 29th start.
12	Phase 1 soil remediation	AZP	6-Oct-21	31-Oct-21	Complete.
13	Confirmation sampling of native soil	Ensafe	6-Oct-21	25-Oct-21	Complete.
14	Confirm drilling method and schedule (sonic vs. auger)	Ensafe	6-Oct-21	6-Oct-21	Decision taken to use sonic drilling. Timing to be confirmed.
15	Perform pH and metals sampling and analysis in Ravine #1	EnSafe	6-Oct-21	11-Nov-21	Complete (11/9)
16	Drain storm water pond and sample underneath liner	AZP/Ensafe	14-Oct-21	5-Nov-21	Complete (11/5)
17	Incorporate ongoing monitoring into SAP.	AZP/EnSafe	20-Oct-21	Ongoing	
18	Begin researching in-situ treatment options for UT-4.	AZP/EnSafe	27-Oct-21	TBA	
19	Confirm no 401, 404, or NPDES permit is required for in-situ treatment	AZP / US EPA / NC DEQ	10-Nov-21	25-Nov	
20	Submit rotamine dye application to NC DEQ DWR	AZP	10-Nov-21	17-Nov-21	Complete (11/12)
21	Confirm material (soil, gravel, etc.) between liners in west storm pond.	AZP	10-Nov-21	17-Nov-21	Complete (11/17)
22	Begin investigation of UT-1 contamination source.	AZP / EnSafe	17-Nov-21	29-Nov-21	East storm water and off-spec effluent ponds emptied and inspected
23	Develop a sampling plan for large dirt stock pile and add it to the SAP.	AZP / EnSafe	17-Nov-21	TBA	Under review by Ensafe